

FIG.1

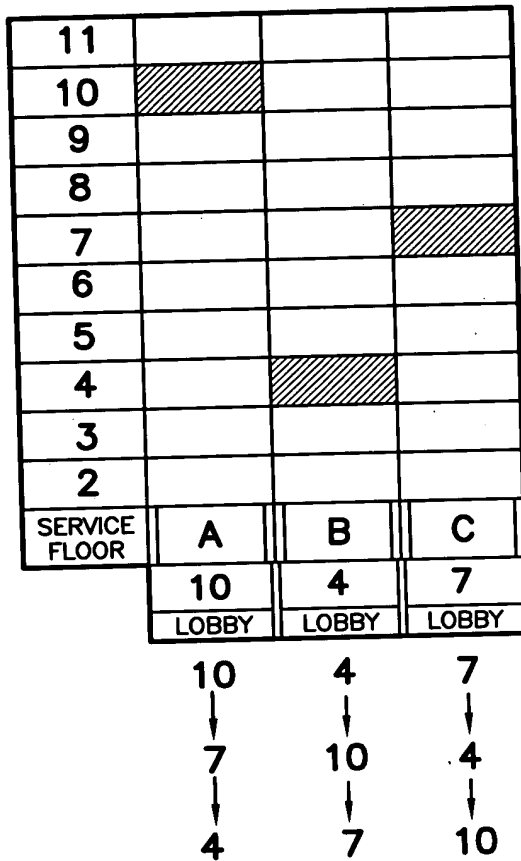


FIG.2

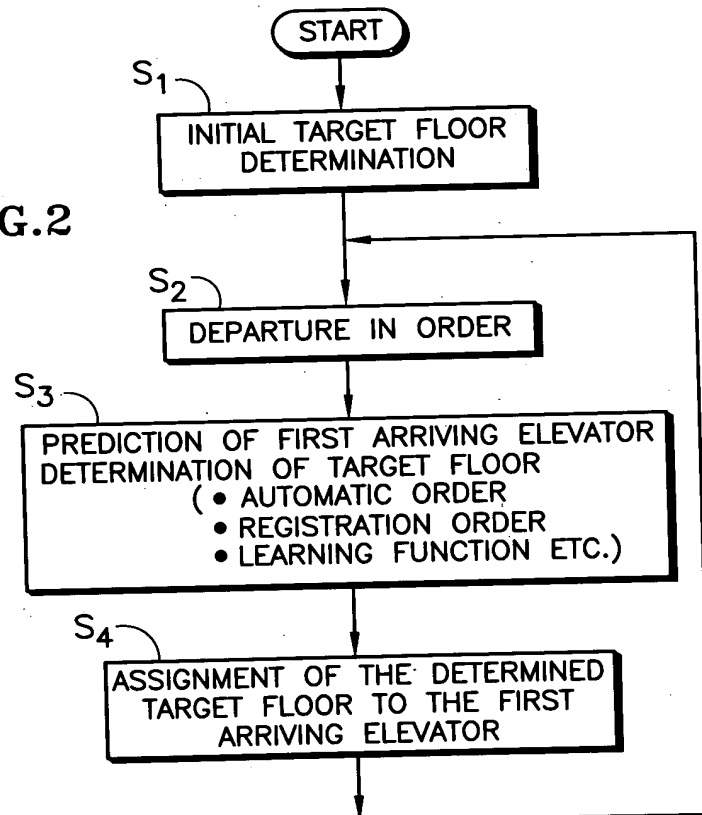


FIG.3a

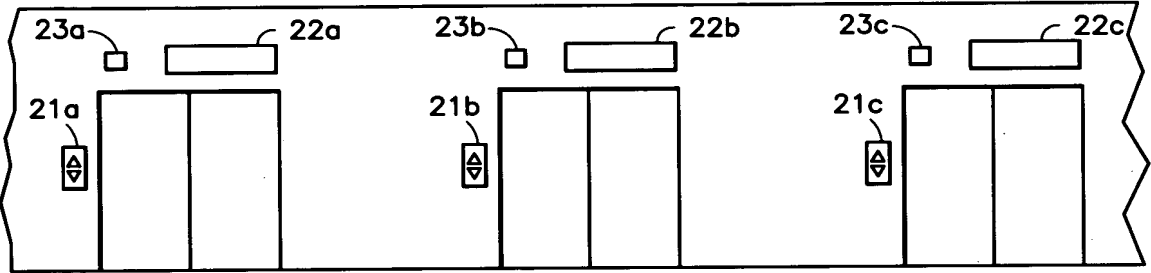


FIG.3b

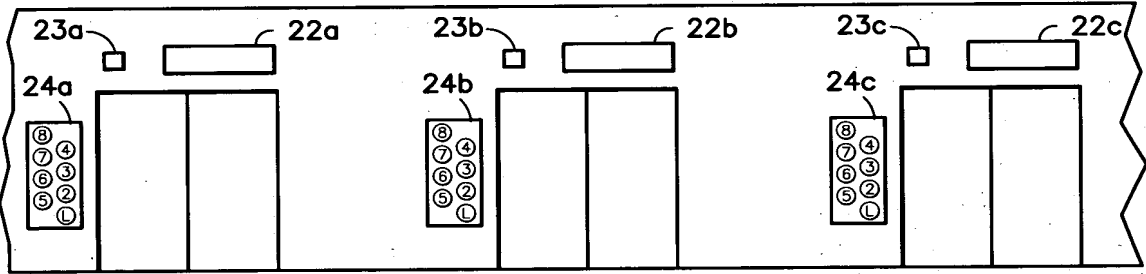


FIG.4 EVALUATION OF SHUTTLE ELEVATORS IN AN ULTRAHIGH BUILDING

		SYSTEM OF THIS INVENTION		
		OPERATION PATTERN A	OPERATION PATTERN B	OPERATION PATTERN C
	OPERATION PATTERN IN PRIOR ART			
		M	M	M
400m	SKY LOBBY (c)	SKY LOBBY (c)	SKY LOBBY (c)	SKY LOBBY (c)
300m	SKY LOBBY (b)	SKY LOBBY (b)	SKY LOBBY (b)	SKY LOBBY (b)
200m	SKY LOBBY (a)	SKY LOBBY (a)	SKY LOBBY (a)	SKY LOBBY (a)
100m				
0m	BUILDING LOBBY	BUILDING LOBBY	BUILDING LOBBY	BUILDING LOBBY
		P	P	P
ROUND TRIP TIME	204.06 SEC.	117.45 SEC.	142.45 SEC.	167.45 SEC.
TRANSPORTING ABILITY (PER 5 MIN.)	64.68 PASSENGERS	112.38 PASSENGERS	92.66 PASSENGERS	78.82 PASSENGERS
AVERAGE ROUND TRIP TIME	204.06 SEC.		142.45 SEC.	
AVERAGE TRANSPORTING ABILITY (PER 5 MIN.)	64.68 PASSENGERS		94.62 PASSENGERS	
KEY		P PIT M MECHANICAL CHAMBER L LOBBY	SERVICE FLOOR	EXPRESS REGION

FIG.5
EVALUATION OF SHUTTLE ELEVATORS IN AN RELATIVELY LOW BUILDING
(MEETING HALL, MOVIE THEATER, STORE, ETC.)

SYSTEM OF THIS INVENTION				
	OPERATION PATTERN IN PRIOR ART	OPERATION PATTERN A		
		OPERATION PATTERN A	OPERATION PATTERN B	OPERATION PATTERN C
		M	M	M
30m	FLOOR (c)	FLOOR (c)	FLOOR (c)	FLOOR (c)
20m	FLOOR (b)	FLOOR (b)	FLOOR (b)	FLOOR (b)
10m	FLOOR (a)	FLOOR (a)	FLOOR (a)	FLOOR (a)
0m	BUILDING LOBBY	BUILDING LOBBY	BUILDING LOBBY	BUILDING LOBBY
		L	L	L
		P	P	P
ROUND TRIP TIME	118.07 SEC.	67.78 SEC.	81.12 SEC.	94.45 SEC.
TRANSPORTING ABILITY (PER 5 MIN.)	55.90 PASSENGERS	97.37 PASSENGERS	81.36 PASSENGERS	69.88 PASSENGERS
AVERAGE ROUND TRIP TIME	118.07 SEC.		81.11 SEC.	
AVERAGE TRANSPORTING ABILITY (PER 5 MIN.)	55.90 PASSENGERS		82.87 PASSENGERS	
KEY	P PIT M MECHANICAL CHAMBER L LOBBY		SERVICE FLOOR	EXPRESS REGION

FIG.6
Prior Art

5/11

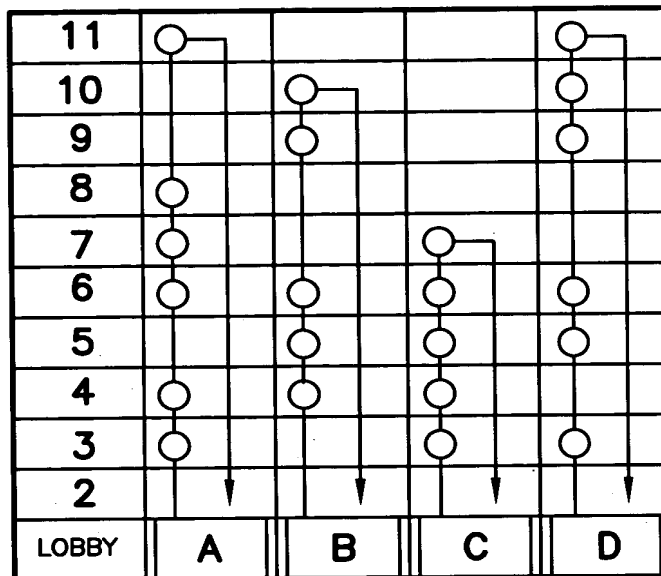


FIG.7
Prior Art

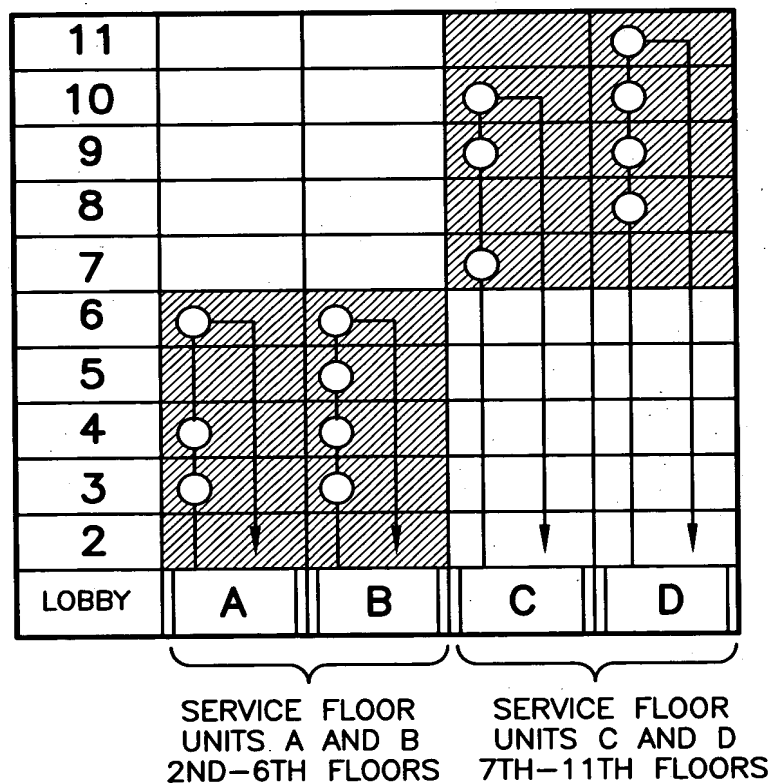


FIG.8
Prior Art

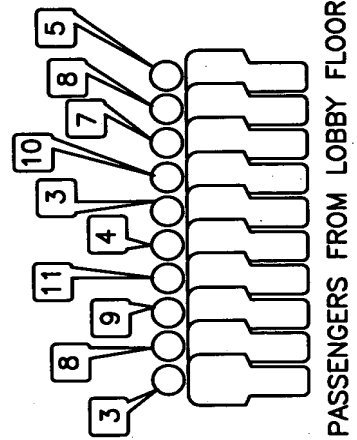
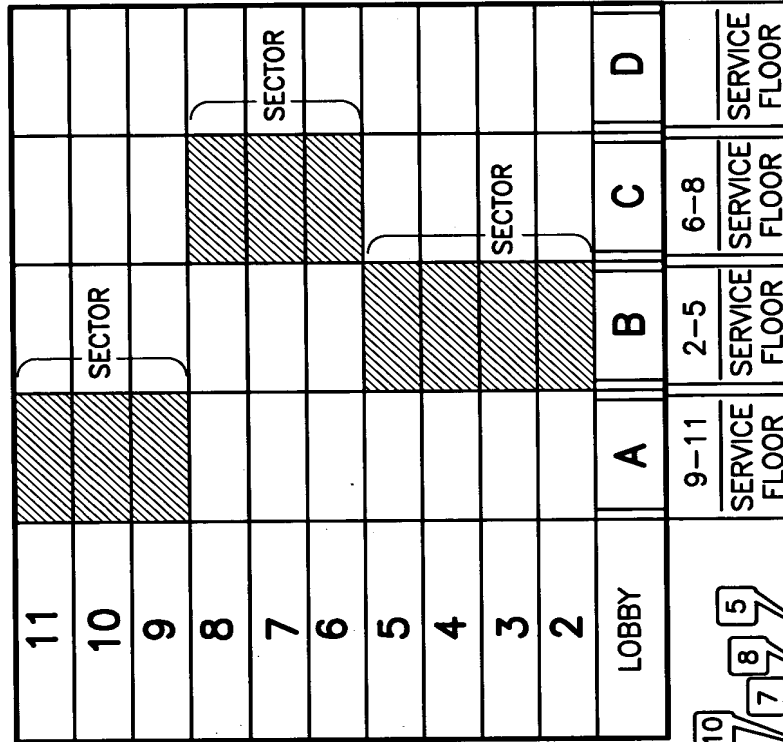


FIG.9
Prior Art

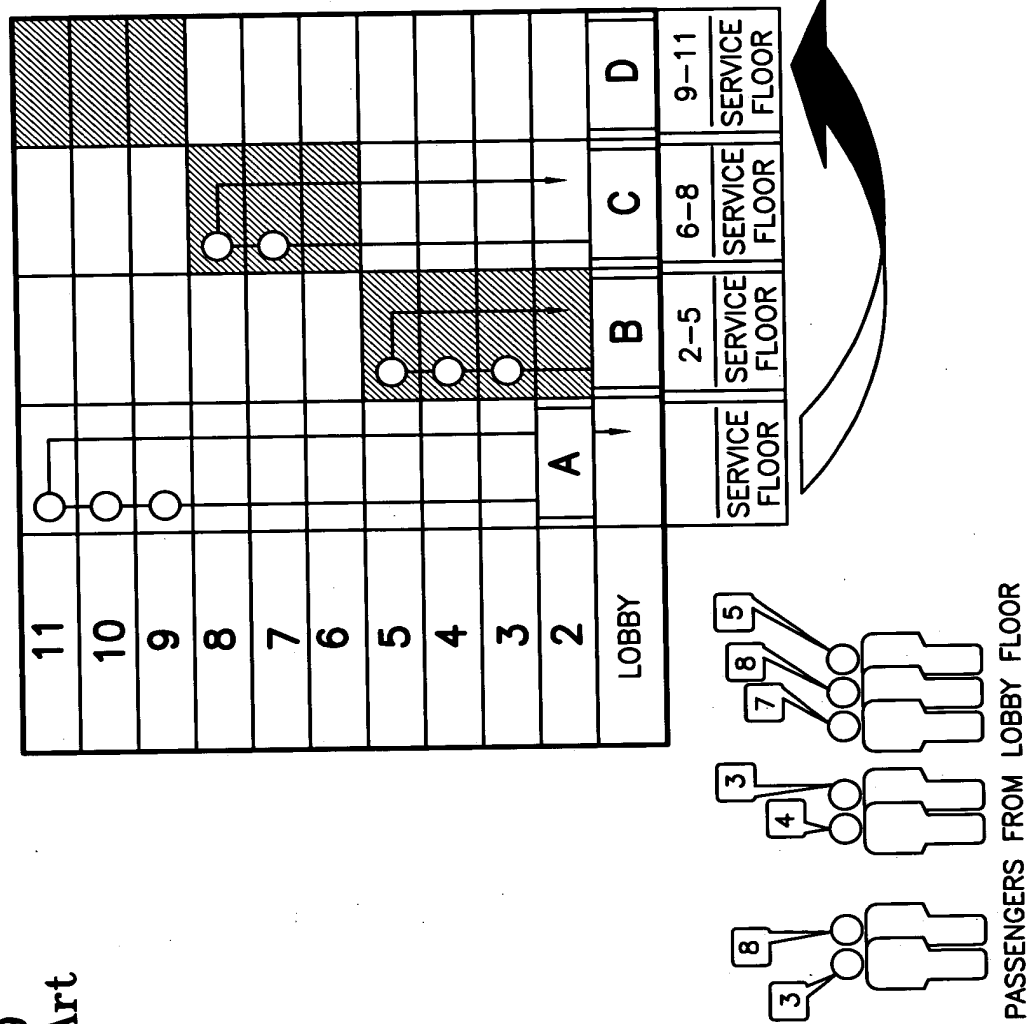


FIG.10
Prior Art

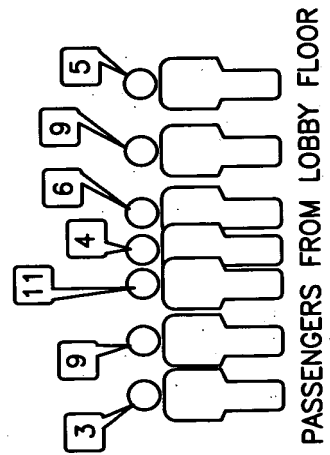
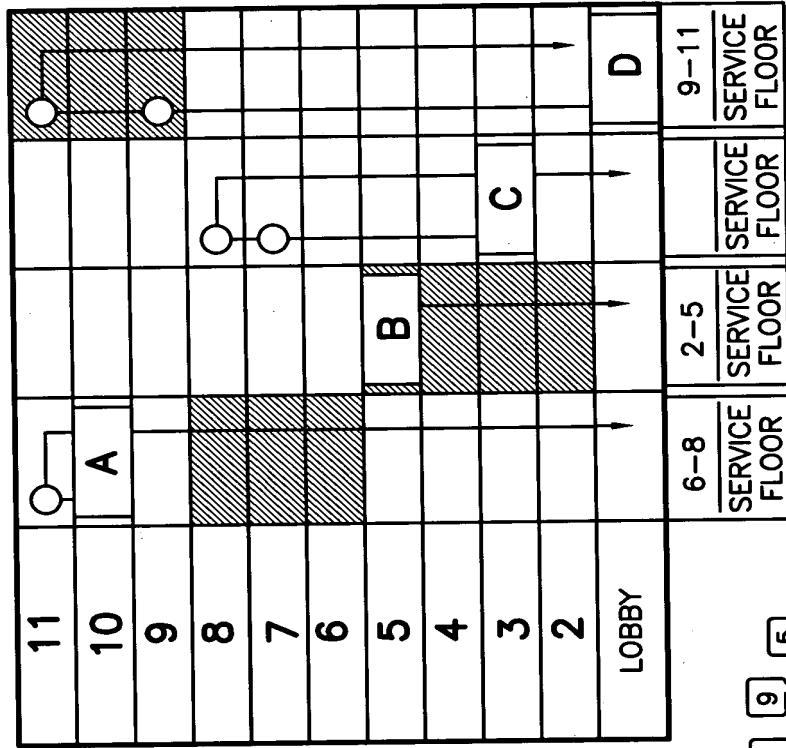


FIG. 11
Prior Art

SECTOR NUMBER	NUMBER OF FLOORS IN SECTOR				D
	A	B	C		
11					
10					
9					
8					
7					
6					
5					
4					
3					
2					
LOBBY					

FIG.12
Prior Art

NUMBER OF PASSENGERS					
11	4				
10	10				
9	20				
8	2				
7	3				
6	0				
5	6				
4	0				
3	2				
2	0				
LOBBY		A	B	C	D
		10-11 SERVICE FLOOR	2-8 SERVICE FLOOR	9 SERVICE FLOOR	SERVICE FLOOR

FIG.13
Prior Art

NUMBER OF PASSENGERS					
11	4				
10	0				
9	2				
8	2				
7	3				
6	0				
5	6				
4	2				
3	2				
2	0				
LOBBY		A	B	C	D
		7-11 SERVICE FLOOR	2-6 SERVICE FLOOR	SERVICE FLOOR	SERVICE FLOOR